

DAFTAR PUSTAKA

- Afandi, F.A., B. Siswanto, dan Y. Nuraini. 2015. Pengaruh pemberian berbagai jenis bahan organik terhadap sifat kimia tanah pada pertumbuhan dan produksi tanaman ubi jalar di entisol Ngrangkah Pawon, Kediri. *Jurnal Tanah dan Sumberdaya Lahan* 2(2): 237-244.
- Aldila, H.F., A. Fariyanti, dan N. Tinaprilla. 2015. Analisis profitabilitas usaha tani bawang merah berdasarkan musim di tiga kabupaten sentra produksi di Indonesia. *Jurnal Agro Science* 11 (2): 249-260.
- Anderson, N.P., J.M. Hart, D.M. Sullivan, N.W. Christensen, D.A. Horneck, and G.J. Pirelli. 2013. Applying lime to raise ph for crop production (Western Oregon). Oregon State University.
- Anonim. 2013. Profil Desa. < <https://srigading.bantulkab.go.id/index.php/first/artikel/32> > Diakses 4 Februari 2020.
- Aweto, A.O. 1982. Variability of upper slope soils developed under sandstones in South-Western Nigeria. *Geographic Journal* 25: 27-37.
- Badan Ketahanan Pangan dan Penyuluhan Daerah Istimewa Yogyakarta. 2020. <<https://bkpp.jogjapro.go.id/>> Diakses 21 Juli 2021.
- Bae, S.G., Yeon I.K., Park S.D., Kang C.K., and K. Zakaullah. 2004. Effects of soil texture by soil addition on the growth and quality of oriental melon (*Cucumis melo* L. var makuw Mak.) under protected cultivation. *Bio-Environment Journal* 13(3): 156-161.
- Balai Penelitian Tanah. 2005. Pemupukan berimbang dengan perangkat uji tanah sawah v.01 (*paddy soil test kit*). Pusat Penelitian Tanah dan Agroklimat. Bogor.
- Balai Penelitian Tanah. 2009. Analisis kimia tanah, tanaman, air, dan pupuk. Pusat Penelitian Tanah dan Agroklimat. Bogor.
- Blosser, D.L. and H. Jenny. 1971. Correlations of soil ph and percent base saturation as influenced by soil-forming factors. *Soil Science Society of American Journal* 6(35): 1017-1028.
- Bockheim, J.G. and A.E. Hartemink. 2013. Distribution and classification of soils with clay-enriched horizons in the USA. *Geoderma Journal* 209: 153–160.
- Butterly, C.R., J. A. Baldock, and C. Tang. 2013. The contribution of crop residues to changes in soil ph under field conditions. *Plant and Soil Journal* 1(366): 185–198.
- Dinas Pertanian Pangan Kelautan dan Perikanan. 2013. Data Curah Hujan.
- Eusufzai, M.K. and K. Fujii. 2012. Effect of organic matter amendment on hydraulic and pore characteristics of a clay loam soil. *Open Journal of Soil Science* 2(4): 720–726.
- Eviati dan Sulaeman. 2009. Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air, dan Pupuk. Balai Penelitian Tanah. Bogor. Indonesia.



- Fidiansyah, E. 2021. Pengaruh pupuk anorganik dan organik terhadap pertumbuhan, produksi dan kualitas umbi serta ketahanan hama pada bawang merah. Fakultas Pertanian. IPB. DISERTASI.
- Ghaffor, A.M., M.S. Jilani, G. Khaliq, and K. Wassem. 2003. Effect of different npk levels on the growth and yield of three onion (*Allium cepa* L.) varieties. Asian Journal of Plant Sciences 2 (3): 342-356.
- Giroto, A.S., G.G.F. Giumaraes, M. Foschini, and C. Ribeiro. 2017. Role of slow-release nanocomposite fertilizers on nitrogen and phosphate availability in soil. Nature Science Journal 7(1): 46032.
- Guo, J. H., Liu X. J., Zhang Y., Shen J. L., Han W. X., Zhang, W. F., P. Christine, K.W.T. Goulding, P.M. Vitousek, and Zhan F.S. 2010. Significant acidification in major Chinese croplands. Science 327(5.968): 1008–1010.
- Havlin, J.L., J.D. Beaton, S.L. Tisdale, and W.L. Nelson. 1999. Soil Fertility and Fertilizers. An Introduction to Nutrient Management. Sixth Edition. Prentice Hall. Upper Saddle River. New Jersey.
- Havlin, J.L., J.D. Beaton, S.L. Tisdale, and W.R. Nelson. 2005. Soil Fertility and Fertilizers, An Introduction to Nutrient Management. Prentice Hall Publisher. New Jersey.
- Herai, Y., Kouno K., Hashimoto M., and Nagaoka T. 2006. Relationships between microbial biomass nitrogen, nitrate leaching and nitrogen uptake by corn in a compost and chemical fertilizer amended regosol. Soil Science and Plant Nutrition Journal 52: 186–194.
- Herlita, S., E. Tety, dan S. Khaswarina. 2016. Analisis pendapatan usahatani bawang merah (*Allium ascalonicum*) di Desa Sei Geringgi Kecamatan Kampar Kiri Kabupaten Kampar. Jurnal Online Faperta Universitas Riau 1(3): 1-12.
- Horneck, D.S., D.M. Sullivan, J.S. Owen, and J.M. Hart. 2011. Soil Test Interpretation Guide. Oregon State University Publication. USA.
- Johnston, J. 2011. Assessing soil fertility; the importance of soil analysis and its interpretation. Potash Development Association publication. Harpenden. United Kingdom.
- Kamoni, P.T., M.W.K. Mburu, and C.K.K. Gachene. 2003. Influence of irrigation and nitrogen fertiliser on maize growth, nitrogen uptake and yield in a semiarid Kenyan environment. East African Agriculture and Forestry Journal 8.325: 99–108.
- Kaya, E. 2014. Pengaruh pupuk organik dan pupuk npk terhadap ph dan k-tersedia tanah serta serapan-k, pertumbuhan, dan hasil padi sawah (*Oryza sativa* L.). Jurnal Buana Sains 2(14): 113-122.
- Keiluweit, M., J.J. Bougoure, P.S. Nico, J. Pett-Ridge, P.K. Weber, and M. Kleber. 2015. Mineral protection of soil carbon counteracted by root exudates. Nature Climate Change 5: 588–595.

- Kementrian Pertanian Republik Indonesia. 2019. Meneropong kembali bawang merah nasional. <<https://www.pertanian.go.id/home/?show=news&act=view&id=2259>> Diakses pada 4 Februari 2020.
- Kessavalou, A., J.W. Dora, W.L. Powers, T.A. Kettler, and Qian J.H. 1996. Bromide and nitrogen-15 tracers of nitrate leaching under irrigated corn in Central Nebraska. *Journal Environment Qual* 25: 1008–1014.
- Khan, M.S., A. Zaidi, and P.A. Wani. 2006. Role of phosphate solubilizing microorganisms in sustainable agriculture. *Agronomy Sustain Journal* 26: 1–15.
- Kielkowska, A. 2017. Cytogenetic effect of prolonged in vitro exposure of *Allium cepa* L. root meristem cells to salt stress. *Cytology and Genetics Journal* 6(51): 478-484.
- Läuchli, A. and S.R. Grattan. 2007. Plant growth and development under salinity stress. In *Advances in Molecular Breeding toward Drought and Salt Tolerant Crops*. Springer Publication. Netherlands.
- Li Z.W., Liu C., Dong Y., Chang X.F., Nie X.D., Lin L., Xiao H.B., Lu Y.M., and Zeng G.M. 2017. Response of soil organic carbon and nitrogen stocks to soil erosion and land use types in the Loess hilly–gully region of China. *Soil and Tillage Research Journal* 166: 1-9.
- Li, P. Lu J., Wang Y., Wang S., S. Hussain, and T. Ren. 2018. Nitrogen losses, use efficiency, and productivity of early rice under controlled-release urea. *Agriculture Ecosystem and Environment Journal* 251: 78–87.
- Li, Q., E.L. Allen, and A.G. Wollum. 2005. Effects of irrigation and fertilization on soil microbial biomass and functional diversity. *Journal of Sustainable Forestry* 20: 17–35.
- Mitchell, J.K. and K. Soga. 1976. *Fundamentals of Soil Behavior*. John Wiley and Sons Publisher. California.
- Mugo, J.N., N.N. Karanja, C.K. Gachene, K. Dittert, S.O. Nyawade, and E. Schultegeldermann. 2020. Assessment of soil fertility and potato crop nutrient status in central and eastern highlands of Kenya. *Scientific Reports Journal* 10: 1-11.
- Narkhede, S.D., S.B. Attarde, and S.T. Ingle. 2011. Study on effect of chemical fertilizer and vermicompost on growth of chili pepper plant (*Capsicum annuum* L.). *Journal of Applied Sciences in Environmental Sanitation* 6 (3): 327-342.
- Neina, D. 2019. The role of soil ph in plant nutrition and soil remediation. *Applied and Environmental Soil Science Journal* 2(1): 1-9.
- Nurida, N.L. 2014. Potensi pemanfaatan biochar untuk rehabilitasi lahan kering di indonesia. *Jurnal Sumberdaya Lahan* 3(8): 57-68.
- Nursyamsi dan Setyorini. 2009. Ketersediaan p tanah - tanah netral dan alkalin. *Jurnal Tanah dan Iklim* 30(2): 25-36.
- Osman, K.T. 2012. *Soils: Principles, Properties, and Managements*. Springer Publisher. London.

- Ozores-Hampton, M., P.A. Stansly, and T.P. Salame. 2011. Soil chemical, physical, and biological properties of a sandy soil subjected to long-term organic amendments. *Journal of Sustainable Agriculture* 35(3): 243–259.
- Pakpahan, T.E., T. Hidayatullah, dan E. Mardiana. 2020. Kajian sifat kimia tanah inceptisol dengan aplikasi biochar terhadap pertumbuhan dan produksi bawang merah. *Jurnal Penelitian Agrosamudra* 1(7): 1-8.
- Panagos, P., Meusburger, K., Ballabio, C., Borrelli, P., and Alewell, C. 2014. Soil erodibility in europe: a high-resolution dataset based on lucas. *Science Total Environment Journal* 479-480: 189–200.
- Penn, C.J. and J.J. Camberato. 2019. A critical review on soil chemical processes that control how soil ph affects phosphorus availability to plants. *Agriculture Journal* 120(9): 1-18.
- Perez, C.D., J. Bautista, A. Bateman, and G. Gunawati. 2016. Sweet onion (*Allium cepa*) plant growth and bulb yield and quality as affected by potassium and sulfur fertilization rates. *Hortiscience Journal* 51 (12): 1592-1596.
- Pradana, B.S. dan R. Suntari. 2019. Efek aplikasi kompos sampah dan kotoran kambing terhadap serapan unsur hara kalium dan hasil tanaman bawang merah pada tanah terdampak erupsi gunung kelud. *Jurnal Tanah dan Sumberdaya Lahan* 1(6): 1.093-1.104.
- Pusat Penelitian Tanah dan Agroklimat. 1995. Petunjuk Teknis Evaluasi Kesuburan Lahan. Bogor.
- Quiñonez, L.C., F.J.A. Alcívar, E.W.C. Cuenca, C.A.S. Macías, M.M.D. Demera, K.M. Escobar, Á. Monteros-Altamirano, and F.C.M. Ponce. 2020. Effect of organic and chemical fertilization on the onion crop (*Allium cepa* L.) *Journal of Central European Agriculture* 3(21): 522-530.
- Rachman, A., A. Dariah, dan S. Sutono. 2018. Pengelolaan Sawah Salin Berkadar Garam Tinggi. IAARD Press. Jakarta.
- Ramamurthy, B. and J.C. Bajaj. 1969. Available nitrogen, phosphorus and potassium status of Indian soils. *Fertilizer Journal* 14: 25-36.
- Recena, R., V. M. Fernández-Cabanás, and A. Delgado. 2019. Soil fertility assessment by vis-nir spectroscopy: Predicting soil functioning rather than availability indices. *Geoderma Journal* 337: 368–374.
- Ritung, S. Wahyunto, F. Agus, dan H. Hidayat. 2007. Panduan evaluasi kesesuaian lahan dengan contoh peta arahan penggunaan lahan Kabupaten Aceh Barat. Balai Penelitian Tanah dan World Agroforestry Center.
- Rostaman, T., L. Angria, dan A. Kasno. 2003. Ketersediaan hara p dan k pada lahan sawah dengan penambahan bahan organik pada inceptisols. *Prosiding Seminar dan Kongres Nasional Himpunan Ilmu Tanah Indonesia (HITI) X* 1: 116-124.
- Sarker J.R., B.P. Singh, A.L. Cowie, Fang Y., D. Collins, W. Badgery, and R.C. Dalal. 2018. Agricultural management practices impacted carbon and nutrient concentrations in soil aggregates, with minimal influence on aggregate stability and

- total carbon and nutrient stocks in contrasting soils. *Soil Tillage Research Journal* 178(1): 209–223.
- Sharma, R., R.W. Bell, and M.T.F. Wong. 2017. Dissolved reactive phosphorus played a limited role in phosphorus transort via runoff, throughflow, and leaching on contrasting cropping soils from southwest Australia. *Science of the Total Environment Journal* 577: 33-44.
- Simbolon, L.E. 2018. Korelasi-regresi ketinggian tempat, kemiringan lereng dan sifat kimia tanah terhadap produksi kopi arabika di Kecamatan Bonatua Lunasi. *Agroteknologi. Fakultas Pertanian. Universitas Sumatera Utara. Skripsi.*
- Sistem Informasi Perencanaan dan Penganggaran (Sippa). 2019. Kabupaten Bantul. < http://sippa.ciptakarya.pu.go.id/sippa_online/ws_file/dokumen/rpi2jm/DOCRPIJM_befa48a4bc_BAB%20VIBab%206%20Profil%20Kabupaten%20Kab%20Bantul.pdf > Diakses pada 6 Februari 2020.
- Sokol, N.W., J. Sanderman, and M.A. Bradford. 2018. Pathways of mineral-associated soil organic matter formation: integrating the role of plant carbon source, chemistry, and point of entry. *Global Change Biology Journal* 25: 12-24.
- Sugiyono. 2007. *Statistik untuk Penelitian*. Penerbit CV Alfabeta. Bandung. Indonesia.
- Sumarni, N. dan A. Hidayat. 2005. *Budidaya Bawang Merah*. Balai Penelitian Tanaman Sayuran. Bandung.
- Sumarni, N., R. Rosliani, dan R.S. Basuki. 2012. Respon Pertumbuhan, hasil umbi dan serapan hara NPK tanaman bawang merah terhadap berbagai dosis pemupukan npk pada tanah alluvial. *Jurnal Hortikultura* 22: 366-375.
- Sumarni, N., Rosliani, R. dan R.S. Basuki. 2012. Pengaruh varietas, status k-tanah, dan dosis pupuk kalium terhadap pertumbuhan, hasil umbi, dan serapan hara k tanaman bawang merah. *Jurnal Hortikultura* 22(3): 233-241.
- Suwandi, G.S. Sopha, dan M.P. Yufdi. 2015. Efektivitas pengelolaan pupuk organik, npk, dan pupuk hayati terhadap pertumbuhan dan hasil bawang merah. *Jurnal Hortikultura* 3(25): 208-221.
- Suwandi, N., Sumarni, I. Firmansyah dan R. Sutarya. 2012. Teknologi leisa dalam pengelolaan pupuk in-organik untuk mengurangi emisi gas rumah kaca (<25%) di dataran rendah. *Laporan Hasil Penelitian, Balitsa. Lembang.*
- Tabur, S. and K. Demir. 2010. Role of some growth regulators on cytogenetic activity of barley under salt stress. *Plant Growth Journal* 60(4): 99–104.
- Taufiq, A. 2002. Status p dan k lahan kering tanah alfisol pulau jawa dan madura serta optimasi pemupukannya untuk tanaman kacang tanah. *Prosiding Seminar Nasional dan Pertemuan Tahunan Komisariat Daerah Himpunan Ilmu Tanah Indonesia* 5: 94-103.
- Thompson, J., Roecker, S., Grunwald, S., and P. Owens. 2012. *Digital Soil Mapping: Interactions with and Applications for Hydropedology*. Hydropedology. Elsevier. <<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.455.1861&rep=rep1&type=pdf>> Diakses 4 Maret 2021.



- Toth, B., M. Weynants, A. Nemes, A. Mako, G. Bilas, and G. Toth. 2015. New generation of hydraulic pedotransfer functions for Europe. *European Journal of Soil Science* 66(1): 226–238.
- Umaternate, G. R., J. Abidjulua, dan A.D. Wuntu. 2014. Uji Metode Olsen dan Bray dalam Menganalisis Kandungan Fosfat Tersedia pada Tanah Sawah di Desa Konarom Barat Kecamatan Dumoga Utara. *Jurnal MIPA Unsrat* 3(1): 6-10.
- Usitalo, R., T.S. Ahlfors., P. Kivijavir, and T. Hurme. 2018. Yield response to p fertilisation of onion (*Allium cepa* L.) and cabbage (*Brassica oleracea* Capitata group L.) in Finland. *Agricultural and Food Science Journal* 27: 63-73.
- Wang, T., Kang F.F., Cheng X.Q., Han H.R., and Jiang W.J. 2017. Soil organic carbon and total nitrogen stocks under different land uses in a hilly ecological restoration area of North China. *Soil and Tillage Research Journal* 163: 176-184.
- Weil, R.R. and N.C. Brady. 2017. *The Nature and Properties of Soils*, 15th ed. Pearson Education Limited Publishing. Edinburg. Scotland.
- Yanuarti, A.R. dan M.D. Afsari. 2016. Profil komoditas barang kebutuhan pokok dan barang penting komoditas bawang.